

Cutting & Workbench Protection Mats  
*Performance Range* 

ISSUE 10



# About Rhino Innovation

Rhino Innovation Ltd are wholesalers and retailers of cutting mats and workbench protection mats, workshop cutting tools and metal workbenches. Rhino as a cutting mat brand has been established since 2005 and grown into a leading supplier of workplace innovation products.

We're passionate about providing unique cutting mats and bespoke solutions, be it one off prototypes or national roll-out programs in many sectors including cleanrooms for automotive, aerospace and marine, signage and printing, manufacturing and warehousing, craft and textiles, and schools and education.

## Our Mission

At the core of our mission is our belief that we can add value by providing innovative, time saving and more effective solutions, coupled with our desire to bring them to market in a sustainable way.

Historically many of our core products are based around PVC, which has meant we've taken time to innovate and promote new materials and schemes to build a sustainable greener future.



ORDER NOW, CALL  
**01280 840293**



VISIT US ONLINE AT  
**RHINOCUTTINGMAT.CO.UK**



**PRECISION. PROTECT. PREVENT.**

Cherwell House, Farm Road, Buckingham Road Ind. Est., Brackley, Northants NN13 7AW

Rhino Innovation Ltd Registered in England & Wales No: 13019696

# Why Use High Performance Cutting and Workbench Protection Mats?



Up to **75%** Increase in life expectancy over other surface solutions



Up to **65%** Increase in Speed, accuracy and user safety when cutting and trimming



Up to **68%** Improvement in preserving work surfaces and protecting products being worked on avoiding cross contamination



Up to **50%** Reduction in replacement tool costs by extending tool and blade life



# Content

## PAGE

5	Rhino Heavy Duty Mat
6	Rhino Medium Duty Mat
7	Rhino SupaSeal Mat
8	Rhino SupaSeal Grey Mat
9	Rhino SupaLite Mat
10	Rhino Ultraseal Mat
11	Rhino Ultraseal XT Mat
12	Rhino XtraTuff Mat
13	Rhino XtraTuff ESD Mat
14-15	Buyers Guide



ORDER NOW, CALL  
**01280 840293**



VISIT US ONLINE AT  
**RHINOCUTTINGMAT.CO.UK**

# HEAVY DUTY CUTTING MAT



Our Rhino heavy-duty cutting mat is a great solution suitable for large applications and fabricating environments where a heavy-duty cutting mat or workbench protection mat is needed.

- > 4.5mm thick semi-opaque white heavy-duty cutting mat
- > Manufactured to help deal with cross contamination and foreign object debris control
- > Solvent-proof and anti-glare surface

- > Ensures faster straighter cutting and reduces replacement blade costs
- > A great investment for your workplace – protects your work surface and keeps your tables looking clean
- > Good self-healing properties and silicone free. Slightly textured one side
- > Free of phthalate plasticisers and silicone free. No odour advantage compared to Rubber mat alternative

CODE	SIZE (MM)	CODE	SIZE (MM)	CODE	SIZE (MM)
<b>TM4568</b>	800 x 600mm	<b>TM4540</b>	1500 x 600mm	<b>TM4533</b>	2000 x 900mm
<b>TM4545</b>	1200 x 600mm	<b>TM4569</b>	1500 x 750mm	<b>TM4532</b>	2400 x 600mm
<b>TM4544</b>	1200 x 750mm	<b>TM4539</b>	1500 x 900mm	<b>TM4531</b>	2400 x 750mm
<b>TM4567</b>	1200 x 800mm	<b>TM4538</b>	1800 x 600mm	<b>TM4530</b>	2400 x 900mm
<b>TM4543</b>	1200 x 900mm	<b>TM4537</b>	1800 x 750mm	<b>TM4501</b>	2440 x 1220mm
<b>TM4566</b>	1200 x 1200mm	<b>TM4536</b>	1800 x 900mm	<b>TM4502</b>	3050 x 1525mm
<b>TM4542</b>	1440 x 900mm	<b>TM4535</b>	2000 x 600mm	<b>TM4565</b>	3660 x 1525mm
<b>TM4541</b>	1440 x 1200mm	<b>TM4534</b>	2000 x 750mm	<b>TM4502</b>	4880 x 1220mm
				<b>TM4563</b>	3660 x 1830mm



# MEDIUM DUTY CUTTING MAT



**MULTI  
PURPOSE**

Our Rhino Medium Duty mat is a great small to medium mat for light to medium duty cutting, and fabricating environments. Also ideal for a workbench protection mat in many industries including Manufacturing and packing benches.

- > 3mm thick semi-opaque white medium duty cutting mat or workbench mat
- > Good self-healing properties and silicone free. Slightly textured one side
- > Ensures straighter cutting and knife blades last longer
- > Solvent-proof and anti-glare surface
- > A great investment for your workplace – protects your work surface and keeps your tables looking clean

CODE	SIZE (MM)	CODE	SIZE (MM)
<b>TM4523</b>	600 x 800mm	<b>TM4527</b>	A3 (420 x 297mm)
<b>TM4528</b>	1500 x 750mm	<b>TM4526</b>	A2 (594 x 420mm)
<b>TM4522</b>	1200 x 800mm	<b>TM4525</b>	A1 (841 x 594mm)
<b>TM4521</b>	1220 x 1220mm	<b>TM4524</b>	A0 (1189 x 841mm)
<b>TM4520</b>	2440 x 1220mm		
<b>TM4519</b>	3050 x 1525mm		

# SUPASEAL CLEAR CUTTING MAT



Our SupaSeal clear cutting mats offer long-term durability and exceptional self-healing properties. They provide a perfect cutting surface and great workbench surface protection. SupaSeal cutting mats are completely clear with a very slight blue tint.

- > Exceptional self-healing properties
- > 5mm thick & double-sided for twice the life
- > Available in multiple widths and up to 20m x 2.2m in one length
- > Suitable for all types of applications including flat-bed laminator /roller tables
- > Solvent and most chemicals proof and waterproof
- > Available in Anti-Static Supaseal AS version in 3 Widths

CODE	SIZE
------	------

- |               |                               |
|---------------|-------------------------------|
| <b>TM4570</b> | 1000mm Wide / Price Per Metre |
| <b>TM4571</b> | 1200mm Wide / Price Per Metre |
| <b>TM4572</b> | 1500mm Wide / Price Per Metre |
| <b>TM4573</b> | 1800mm Wide / Price Per Metre |
| <b>TM4574</b> | 2200mm Wide / Price Per Metre |

CODE	SIZE
------	------

- |               |                        |
|---------------|------------------------|
| <b>TM4578</b> | A3 Size (297 x 420mm)  |
| <b>TM4577</b> | A2 Size (420 x 594mm)  |
| <b>TM4576</b> | A1 Size (594 x 841mm)  |
| <b>TM4575</b> | A0 Size (841 x 1189mm) |





# SUPASEAL GREY CUTTING MAT



Our SupaSeal Grey Cutting and workbench protection mats offer great durability and exceptional self-healing properties. They provide a perfect cutting surface and workbench protection mat. The Supaseal Grey has the same properties as the Supaseal Clear mats

- > Exceptional self-healing properties
- > 5mm thick & double-sided for twice the life
- > Available in multiple widths and up to 20m x 1.5m in one length
- > Ideal Mat to provide a smart clean bench finish to hide any existing worn bench surface
- > Solvent and most chemicals proof and waterproof
- > Silicone free, and Free of phthalate plasticisers

CODE	SIZE
------	------

TM4570GR	1000mm Wide / Price Per Metre
TM4571GR	1200mm Wide / Price Per Metre
TM4572GR	1500mm Wide / Price Per Metre



# SUPALITE CUTTING MAT



Our SupaLite clear workbench mats offer a great option for workbench protection mats or light duty cutting mats. SupaLite cutting mats are completely clear with a very slight blue tint.

- > Excellent workbench protection mat
- > 3mm thick & double-sided for twice the life
- > Available in multiple widths and up to 20m x 1.5m in one length
- > Silicone free, and Free of phthalate plasticisers
- > Suitable for all types of applications including flat-bed laminator /roller tables or Workbench Protection.
- > Solvent and most chemicals proof and waterproof

CODE	SIZE
<b>TM4570SL</b>	1000mm Width /Price Per Metre
<b>TM4571SL</b>	1200mm Width /Price Per Metre
<b>TM4572SL</b>	1500mm Width /Price Per Metre

CODE	SIZE
<b>TM4578SL</b>	A3 Size (297 x 420mm)
<b>TM4577SL</b>	A2 Size (420 x 594mm)
<b>TM4576SL</b>	A1 Size (594 x 841mm)
<b>TM4575SL</b>	A0 Size (841 x 1189mm)



# ULTRASEAL CUTTING MAT



**EXCELLENT  
DURABILITY**

Our Premium Ultraseal Grey cutting mat is extremely durable, and designed and manufactured specifically for hi-tech industries where there is constant cutting. A great investment for your workplace – protects your work surface, and with great hygienic ‘easy clean’ and waterproof properties, means you can keep your bench looking fantastic.

- > Exceptional self-healing and wear properties. An extremely dense and robust cutting surface whilst still allowing the knives to glide.
- > Available in 4mm or 6mm Thickness, Ideal for constant cutting in demanding situations such as automotive or aerospace industries.
- > Smooth finish great for working with extremely sensitive and high-quality products. Shorehardness of 70A gives a slightly softer surface than the Ultraseal XT
- > Manufactured to help deal with cross contamination and foreign object debris control, ideal when working with materials such as carbon fibre, composite and performance materials. Able to withstand heat up to 90Degrees meaning it's a great mat for using in conjunction with Heat Guns and soldering equipment.

## CODE

TM4662

POA

# ULTRASEAL XT CUTTING MAT



**ULTIMATE  
DURABILITY**

Our Premium Ultraseal XT Grey cutting mat is the pinnacle of durability. Used in multiple industries, but particularly Advanced Materials such as Carbon Fibre production and trimming where there is extreme and constant cutting, giving Market-leading self-healing and wear properties. It provides an unrivalled cutting surface for the most demanding environments

- > Ultimate self-healing and wear properties. An extremely dense and robust cutting surface whilst still allowing the knives to glide.
- > Available in 6mm Thickness, Ideal for constant cutting in demanding situations such as automotive or aerospace industries.
- > Smooth Satin finish both sides means great for working with extremely sensitive and high-quality products. 90A Shorehardness providing a supportive but ultra-durable cutting surface. Protecting the items being worked on, whilst minimising the risk of knife slippage and hand injuries
- > Manufactured to help deal with cross contamination and foreign object debris control, ideal when working with materials such as carbon fibre, composite and performance materials. Able to withstand heat up to 90Degrees meaning it's a great mat for using in conjunction with Heat Guns and Soldering equipment.

## CODE

TM4665

POA



# XTRATUFF WORKBENCH MAT



Our Rhino Workbench Protection board, is an excellent cost effective hard wearing and durable workbench board. Fantastic for protecting workbench tops and workstations, its textured surface allows boxes or items to slide around with ease. Ideal for Fulfilment, 3PL or packaging areas.

- > 3mm Thick Black Textured finish, Rigid hard Wearing protection board
- > Solvent proof and lightly textured anti-glare surface. Superior impact strength.
- > Predominately for workbench protection, but also strong enough to stand up to knife cuts, although not self-healing as our other cutting mat
- > Ideal to cover poor existing surfaces, and provides a smart, clean work surface
- > Available in 2440 x 1220 or 3050 x 1500mm sheets, and can be cut to size

CODE	SIZE
TM4700	2440 x 1220mm (8' x 4')
TM4701	3050 x 1500mm (10' x 5')

# XTRATUFF ESD WORKBENCH MAT



Our Rhino Xtratuff ESD Workbench Protection board, is an excellent hard wearing and durable workbench board. Fantastic for protecting workbench tops and workstations. Ideal for areas such as manufacture of electrical components where an Anti-Static ESD environment is important.

- > 4.5mm Thick Black Textured finish, Rigid hard Wearing protection board
- > Surface Resistivity to BS EN 61340-2-3, Measured Surface Resistance -  $9.6 \times 10^2 \Omega$ , Calculated Surface Resistivity -  $9.6 \times 10^3 \Omega$ , Classification as per BS EN 61340-5-1 - Static Dissipative
- > Complete with 10mm Press Stud for grounding methods such as wrist straps.
- > Solvent proof and lightly textured anti-glare surface. Superior impact strength.
- > Predominately for workbench protection, but also strong enough to stand up to knife cuts, although not self-healing as our other cutting mats
- > Available in multiple sizes up to 2000 x 1000mm. Can be Cut to Bespoke Size

CODE	SIZE
TM4591	2000 x 1000mm
TM4592	2000 x 750mm
TM4593	1800 x 750mm
TM4594	1500 x 750mm

# PRODUCT COMPARISON

## CUTTING MAT TECHNICAL GUIDE

TOOL/USE/APPLICATION	HEAVY DUTY	MEDIUM DUTY	SUPASEAL / AS/Grey	SUPALITE	ULTRASEAL
<b>MAT PROPERTIES</b>					
COLOUR	SEMI-OPAQUE WHITE	SEMI-OPAQUE WHITE	CLEAR BLUE / GREY	CLEAR BLUE TINT	GREY
ANTI-SLIP	★★★	★★★	★★★★★	★★★★★	★★★★★
SILICONE FREE	YES	YES	YES	YES	YES
SELF-HEALING PROPERTIES	★★★★	★★★★	★★★★★	★★★★★	★★★★★
ANTI-GLARE SURFACE	★★★★★	★★★★★	★★★★	★★★★	★★★★
DURABILITY	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
TEXTURED SURFACE	YES	YES	NO	NO	NO
MATERIAL FLEXIBILITY	★★★	★★★	★★★★	★★★★	★★★
RESISTANCE AGAINST SHOCK & TEARS	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
ALMOST INVISIBLE KNIFE CUTS	★★★★	★★★★	★★★	★★★	★★★★★
RAZOR STRAIGHT CUTTING	★★★★★	★★★★★	★★★★	★★★★	★★★★★
REDUCE TRAMLINING WHEN CUTTING	★★★★★	★★★★★	★★★★	★★★★	★★★★★
<b>APPLICATION USE</b>					
WORKBENCH & SURFACE PROTECTION	★★★★★	★★★★★	★★★★	★★★★	★★★★★
PRINT & GRAPHICS TRIMMING	★★★★★	★★★★	★★★★	★★★	★★★★★
GENERAL WAREHOUSE USE	★★★★★	★★★★★	★★★★★	★★★★	★★★★★
CRAFTS & PHOTOGRAPHY	★★★★	★★★★	★★★★	★★★★	★★★
QUILTING & HOBBIES	★★★★	★★★★	★★★★	★★★★	★★★
MULTI-PROPOSE CUTTING	★★★★	★★★★	★★★★	★★★★	★★★★★
HEAVY-DUTY APPLICATION	★★★★★	★★★★	★★★★	★★★	★★★★★
FLAT-BED ROLLER LAMINATOR TABLE	★★★★	★★★★	★★★★★	★★★★	★
<b>TOOL USE</b>					
ROTARY CUTTER	★★★★	★★★★	★★	★★	★★
CRAFT KNIFE	★★★★	★★★★	★★★★	★★★★	★★★★
SCALPEL	★★★★	★★★★	★★★★	★★★★	★★★★
STANLEY/ POWER KNIFE	★★★★	★★★★	★★★★	★★★★	★★★★★
<b>SIZES/OPTIONS</b>					
LARGEST MAT SIZE	4880 x 1220/3657 x 1828mm	2440 x 1220mm	20M x 2200mm	20M x 1500mm	3000 x 1200mm
THICKNESS	4.5mm	3mm	5mm	3mm	4mm and 6mm
DOUBLE SIDED (USE BOTH SIDES)	YES (Only Textured 1 Side)	YES (Only Textured 1 Side)	YES	YES	NO
PRINTED FLEXI-GRID AVAILABLE	YES	YES	YES	YES	NO
CUT TO BESPOKE SIZE	YES	YES	YES	YES	YES
CNC SHAPED (CAD FILE REQUIRED) POA	YES	YES	NO	NO	NO
<b>TECHNICAL SPECIFICATION</b>					
SOLVENT PROOF/MOST CHEMICAL PROOF	★★★★★	★★★★★	★★★★	★★★★	★★★★★
WATERPROOF	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
FIRE RETARDANT	★★★★	★★★★	★★★★ M2	★★★★ M2	★★★★
HEAT RESISTANT	★★★★	★★★★	★★★★	★★★★	★★★★★
LIGHT TRANSMISSION	45%	45%	75%	75%	0%
ANTI-STATIC	★★★	★★★	★★★	★★★	★★★
RECYCLABLE	★★★★★	★★★★★	★★★★★	★★★★★	★★
REACH CONFORMABLE	YES	YES	YES	YES	YES
ANTI-BACTERIAL	NO	NO	NO	NO	NO
SHORE HARDNESS	50	50	80	80	70
DENSITY	0.93g/cm <sup>3</sup>	0.93g/cm <sup>3</sup>	1.22g/cm <sup>3</sup>	1.22g/cm <sup>3</sup>	1.06g/cm <sup>3</sup>
TEAR STRENGTH	25 KN/m	25 KN/m	50 KN/m	50 KN/m	56 KN/m
HEAT RESISTANCE (MIN)	-40c	-40c	-15c	-15c	-60c
HEAT RESISTANCE (MAX)	65c	65c	50	50	90c

# PRODUCT COMPARISON

## WORKBENCH PROTECTION MAT TECHNICAL GUIDE

TOOL/USE/APPLICATION	XTRATUFF	XTRATUFF ESD	SUPASEAL / AS/Grey	SUPALITE
<b>MAT PROPERTIES</b>				
COLOUR	SOLID BLACK	SOLID BLACK	CLEAR BLUE / GREY	CLEAR BLUE TINT
ANTI-SLIP	★★★	★★★	★★★★★	★★★★★
SILICONE FREE	YES	YES	YES	YES
SELF-HEALING PROPERTIES	★★	★★	★★★★★	★★★★★
ANTI-GLARE SURFACE	★★★★★	★★★★★	★★★★★	★★★★★
DURABILITY	★★★★★	★★★★★	★★★★★	★★★★★
TEXTURED SURFACE	YES	YES	NO	NO
MATERIAL FLEXIBILITY	★★★	★★	★★★★★	★★★★★
RESISTANCE AGAINST SHOCK & TEARS	★★★★★	★★★★★	★★★★★	★★★★★
ALMOST INVISIBLE KNIFE CUTS	★★★	★★★	★★★	★★★
RAZOR STRAIGHT CUTTING	★★★	★★★	★★★★★	★★★★★
REDUCE TRAMLINING WHEN CUTTING	★★★	★★★	★★★★★	★★★★★
<b>APPLICATION USE</b>				
WORKBENCH & SURFACE PROTECTION	★★★★★	★★★★★	★★★★★	★★★★★
PRINT & GRAPHICS TRIMMING	★★	★★	★★★★★	★★★★★
GENERAL WAREHOUSE USE	★★★★★	★★★★★	★★★★★	★★★★★
CRAFTS & PHOTOGRAPHY	★★	★★	★★★★★	★★★★★
QUILTING & HOBBIES	★★	★★	★★★★★	★★★★★
MULTI-PURPOSE CUTTING	★★★	★★★	★★★★★	★★★★★
HEAVY-DUTY APPLICATION	★★★★★	★★★★★	★★★★★	★★★★★
FLAT-BED ROLLER LAMINATOR TABLE	N/A	N/A	★★★★★	★★★★★
<b>TOOL USE</b>				
ROTARY CUTTER	★	★	★★	★★
CRAFT KNIFE	★★★★★	★★★★★	★★★★★	★★★★★
SCALPEL	★★★★★	★★★★★	★★★★★	★★★★★
STANLEY/ POWER KNIFE	★★★★★	★★★★★	★★★★★	★★★★★
<b>SIZES/OPTIONS</b>				
LARGEST MAT SIZE	3050 x 1500mm	2000 x 1000mm	20M x 2200mm	20M x 1500mm
THICKNESS	3.0mm	4.5mm	5mm	3mm
DOUBLE SIDED (USE BOTH SIDES)	YES (Only Textured 1 Side)	YES (Only Textured 1 Side)	YES	YES
PRINTED FLEXI-GRID AVAILABLE	N/A	N/A	YES	YES
CUT TO BESPOKE SIZE	YES	YES	YES	YES
CNC SHAPED (CAD FILE REQUIRED) POA	YES	YES	NO	NO
<b>TECHNICAL SPECIFICATION</b>				
SOLVENT PROOF/MOST CHEMICAL PROOF	★★★★★	★★★★★	★★★★★	★★★★★
WATERPROOF	★★★★★	★★★★★	★★★★★	★★★★★
FIRE RETARDANT	★★★★★	★★★★★	★★★★★ M2	★★★★★ M2
HEAT RESISTANT	★★★★★	★★★★★	★★★★★	★★★★★
LIGHT TRANSMISSION	0 %	0 %	75%	75%
ANTI-STATIC / ESD	★★★	★★★★★	★★★	★★★
RECYCLABLE	★★★	★★★	★★★★★	★★★★★
REACH CONFORMABLE	YES	YES	YES	YES
ANTI-BACTERIAL	NO	NO	NO	NO
SHORE HARDNESS	N/A	N/A	80	80
DENSITY	N/A	N/A	1.22g/cm <sup>3</sup>	1.22g/cm <sup>3</sup>
TEAR STRENGTH	N/A	N/A	50 KN/m	50 KN/m
HEAT RESISTANCE (MIN)	-40c	-40c	-15c	-15c
HEAT RESISTANCE (MAX)	65c	65c	50	50





# RHINO<sup>®</sup>

Workplace Innovation



ORDER NOW, CALL  
**01280 840293**



VISIT US ONLINE AT  
**RHINOCUTTINGMAT.CO.UK**



**SUSTAINABLE  
INNOVATION**